FIG. 1

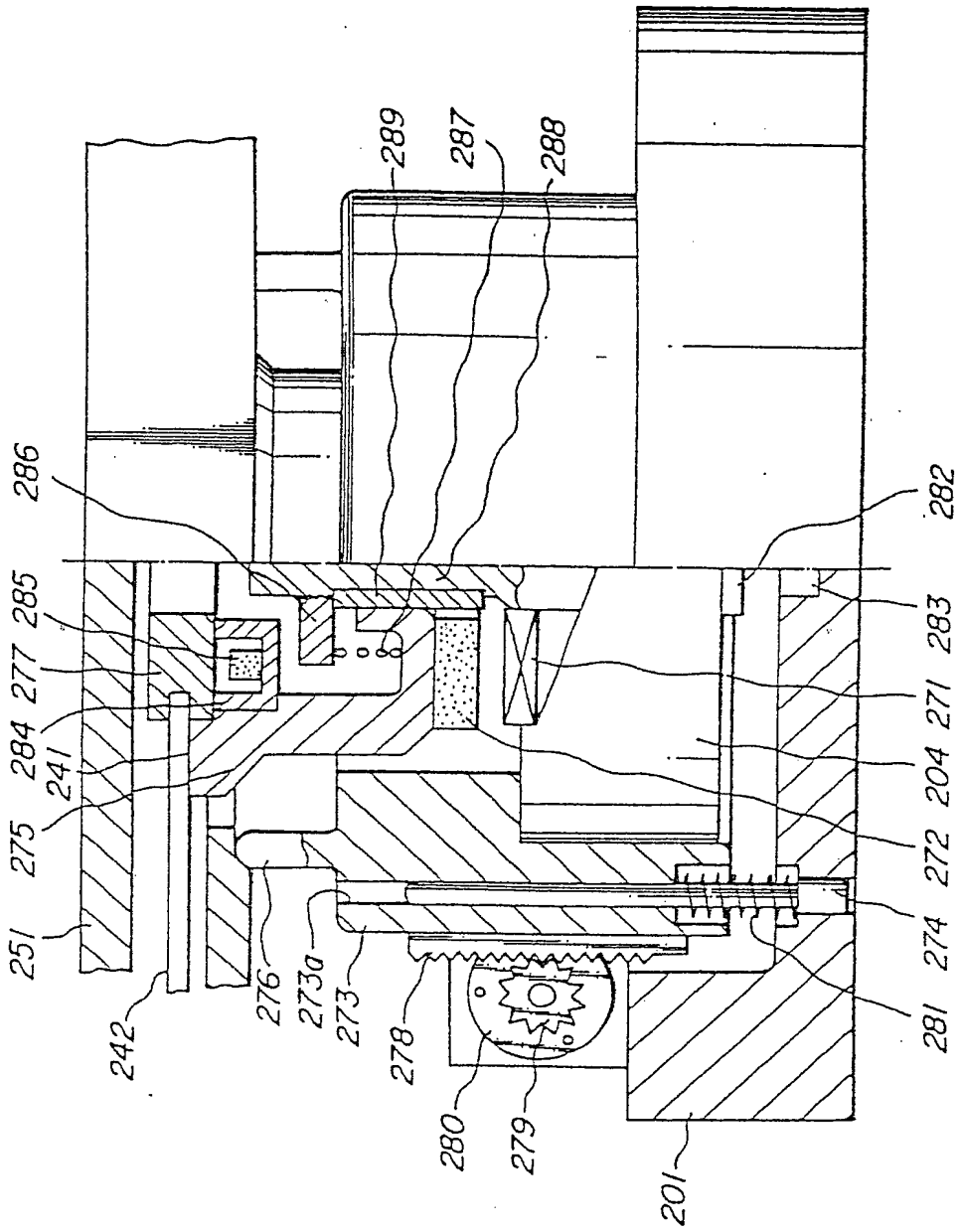

289
287
288
286
282
285
283
277
271
284
241
204
275
272
251
274
276
273a
273
281
278
280
279
242
201

FIG_2

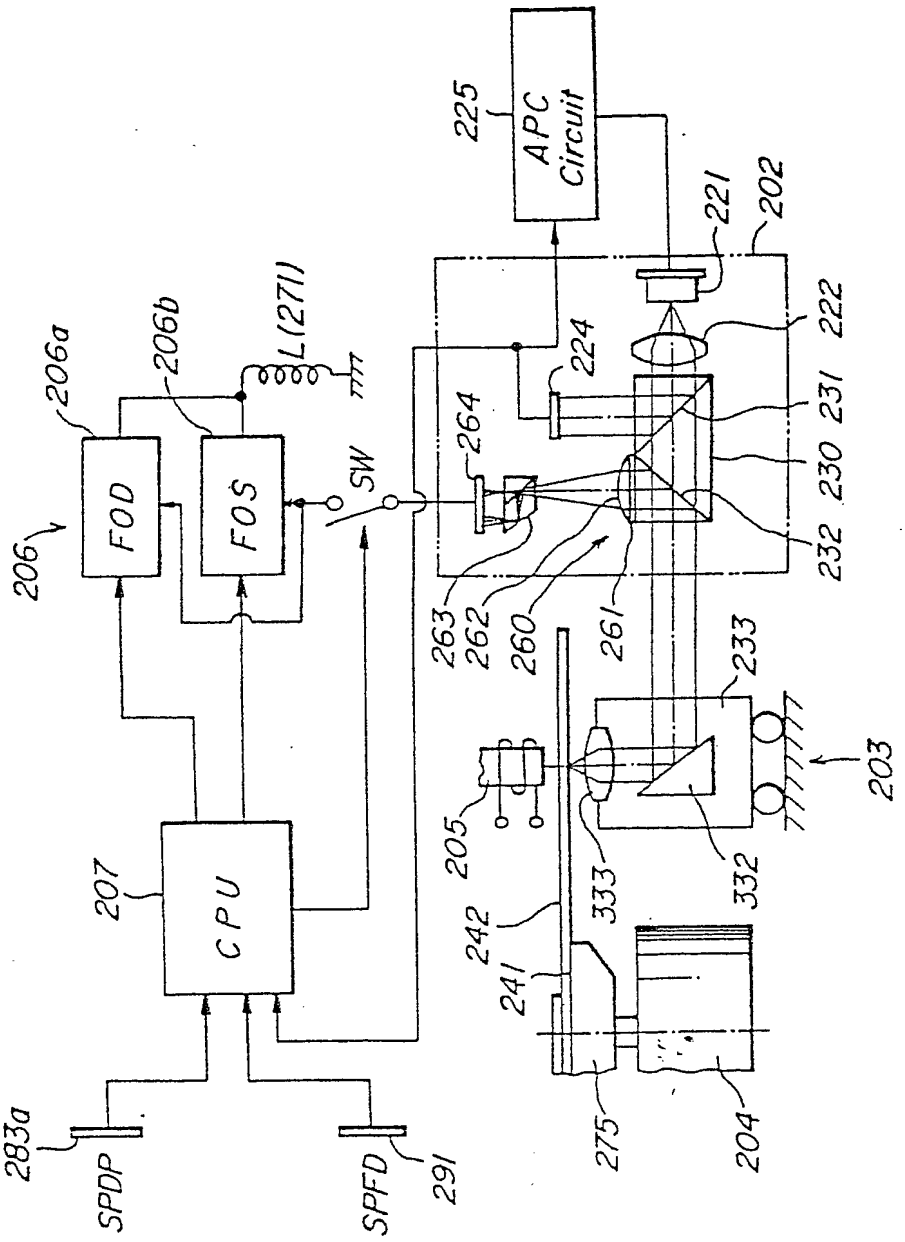

206
206a
206b
FOD
FOS
L(271)
SW
207
CPU
283a
SPDP
SPFD
291
225
APC Circuit
221
202
222
224
264
231
230
232
263
262
260
261
233
205
242
241
333
332
203
275
204

FIG_3

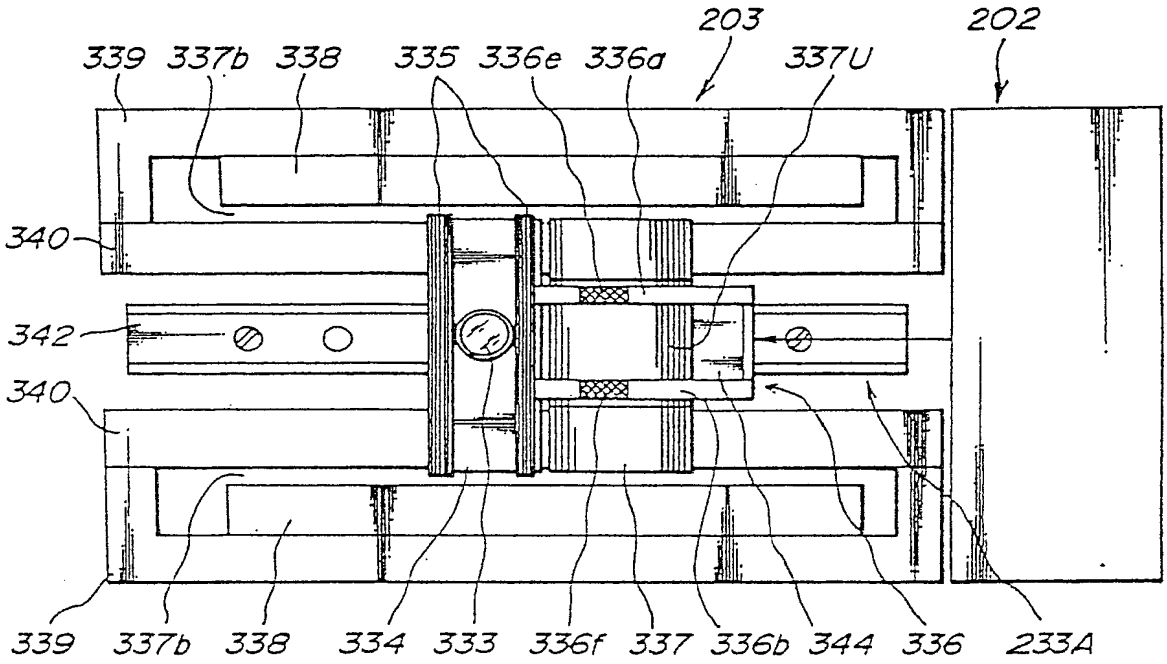

203
202
339
337b
338
335
336e
336a
337U
340
342
340
339
337b
338
334
333
336f
337
336b
344
336
233A

FIG_4

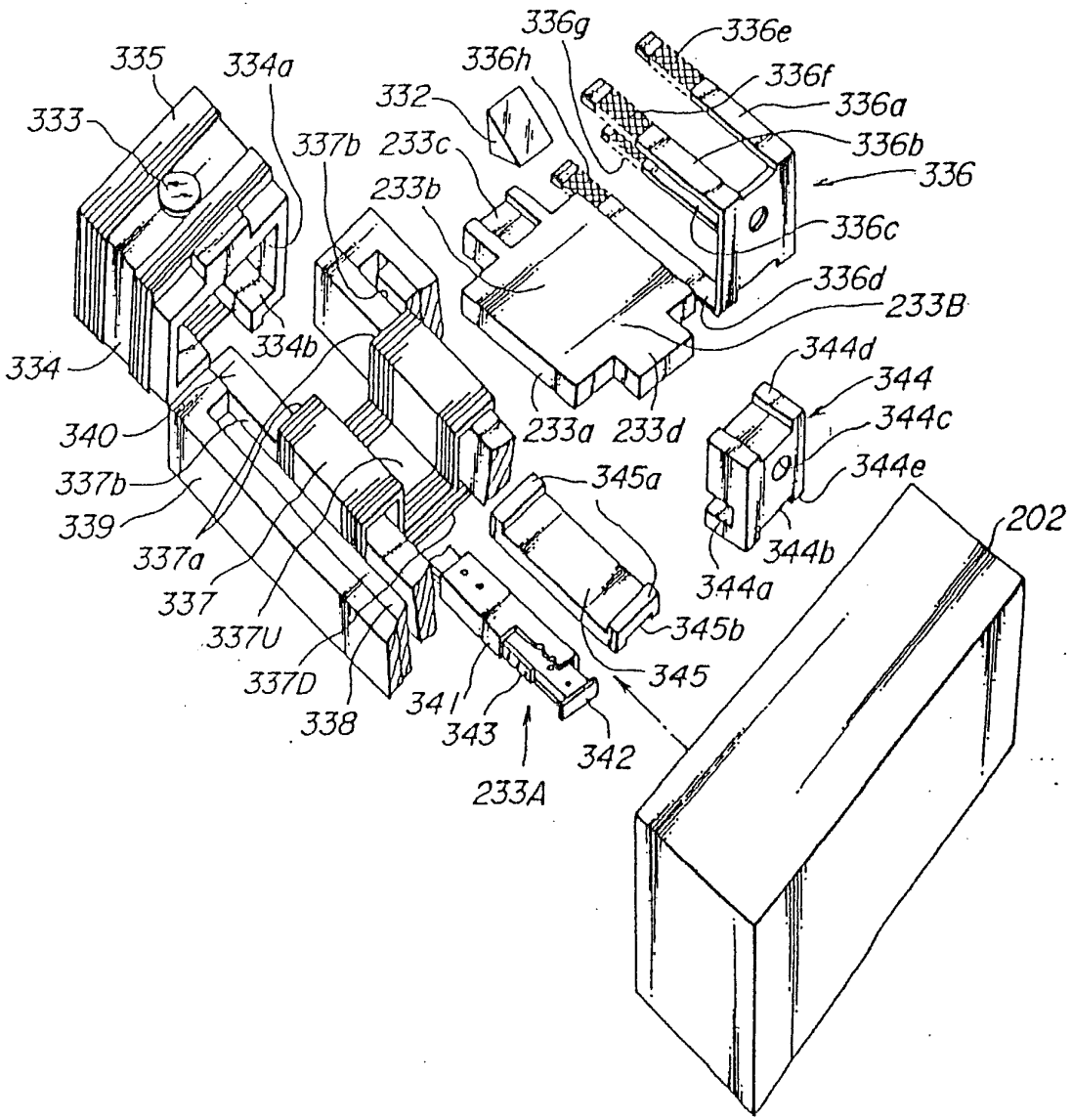

335
334a
333
337b
233c
332
336h
336g
336e
336f
336a
336b
336
336c
233b
336d
233B
344d
344
344c
344e
344b
344a
202
334
334b
340
337b
339
337a
337
337U
337D
338
341
343
342
233A
345
345b
345a
233a
233d

FIG_5

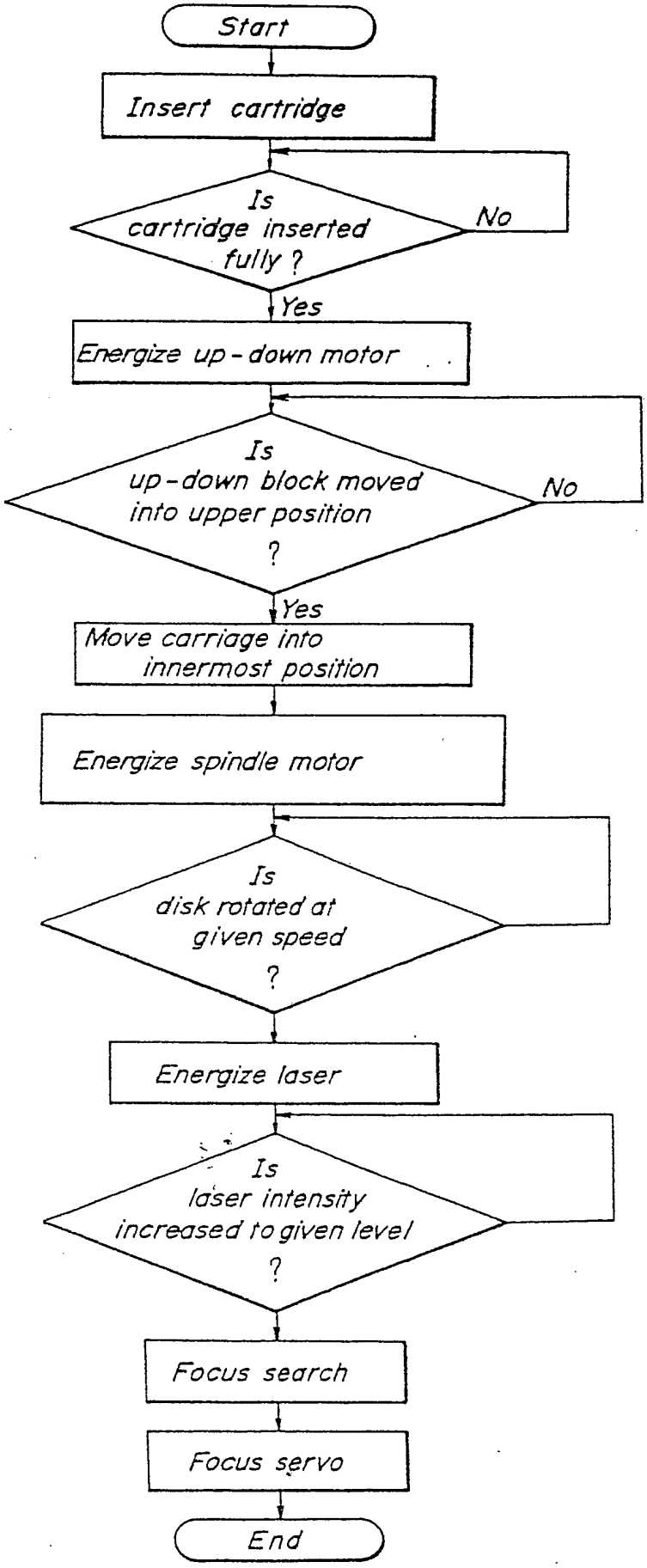

Start
Insert cartridge
Is cartridge inserted fully ?
No
Yes
Energize up-down motor
Is up-down block moved into upper position ?
No
Yes
Move carriage into innermost position
Energize spindle motor
Is disk rotated at given speed ?
Energize laser
Is laser intensity increased to given level ?
Focus search
Focus servo
End

FIG.6

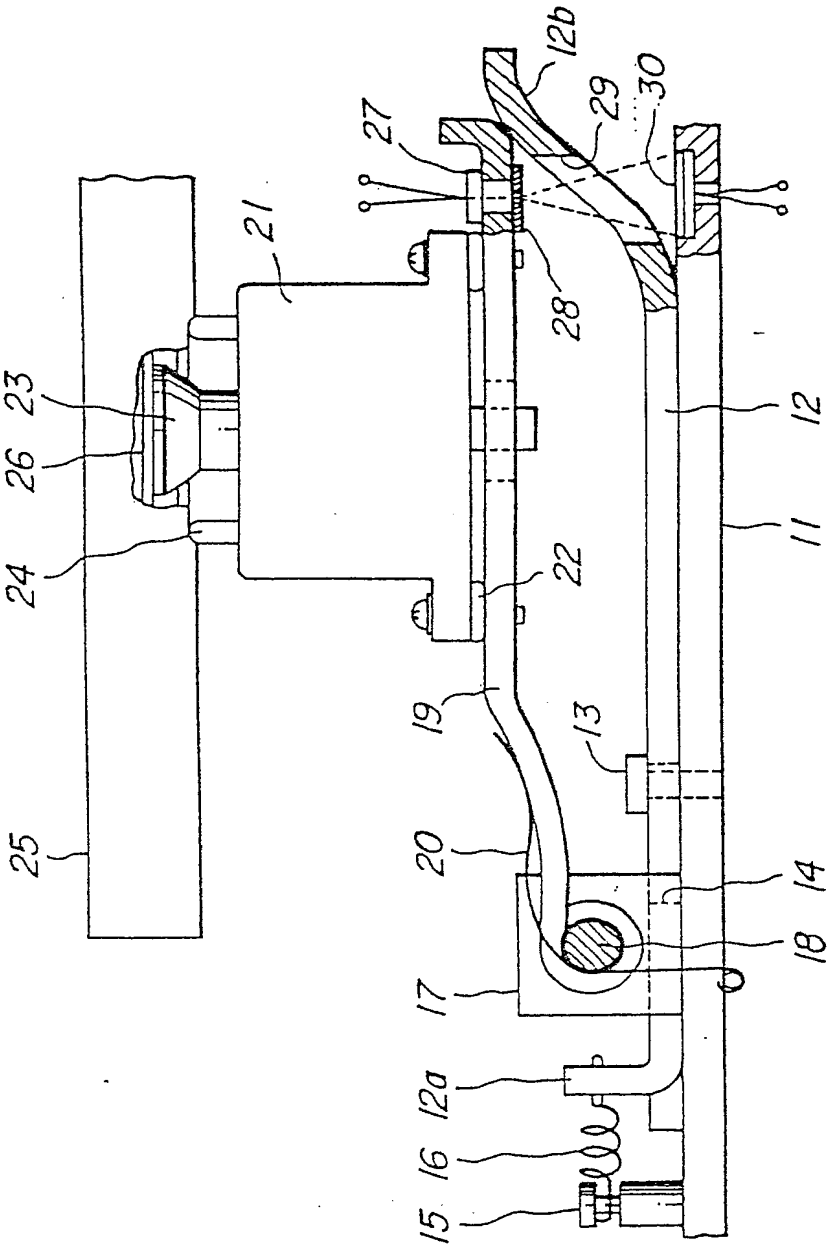


FIG. 7

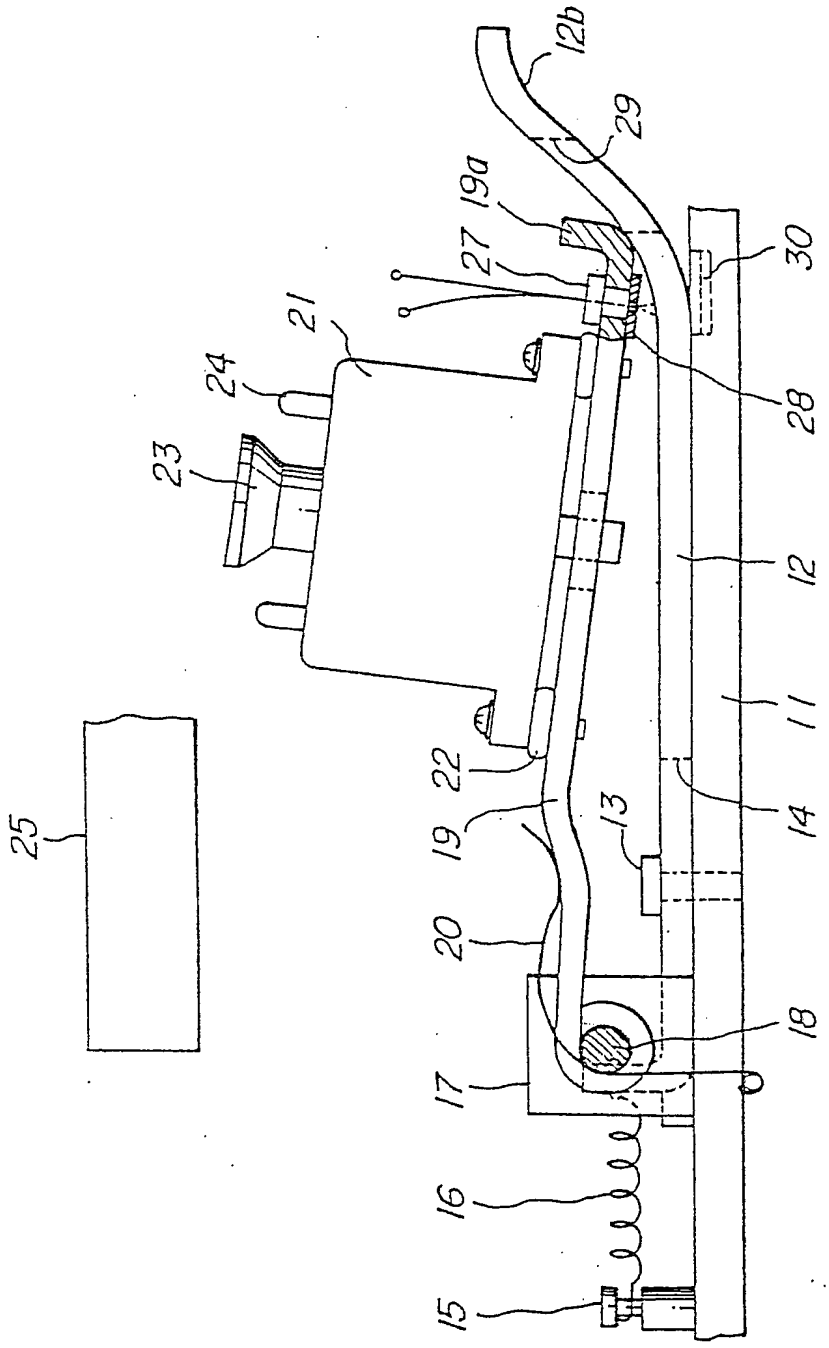


FIG. 8

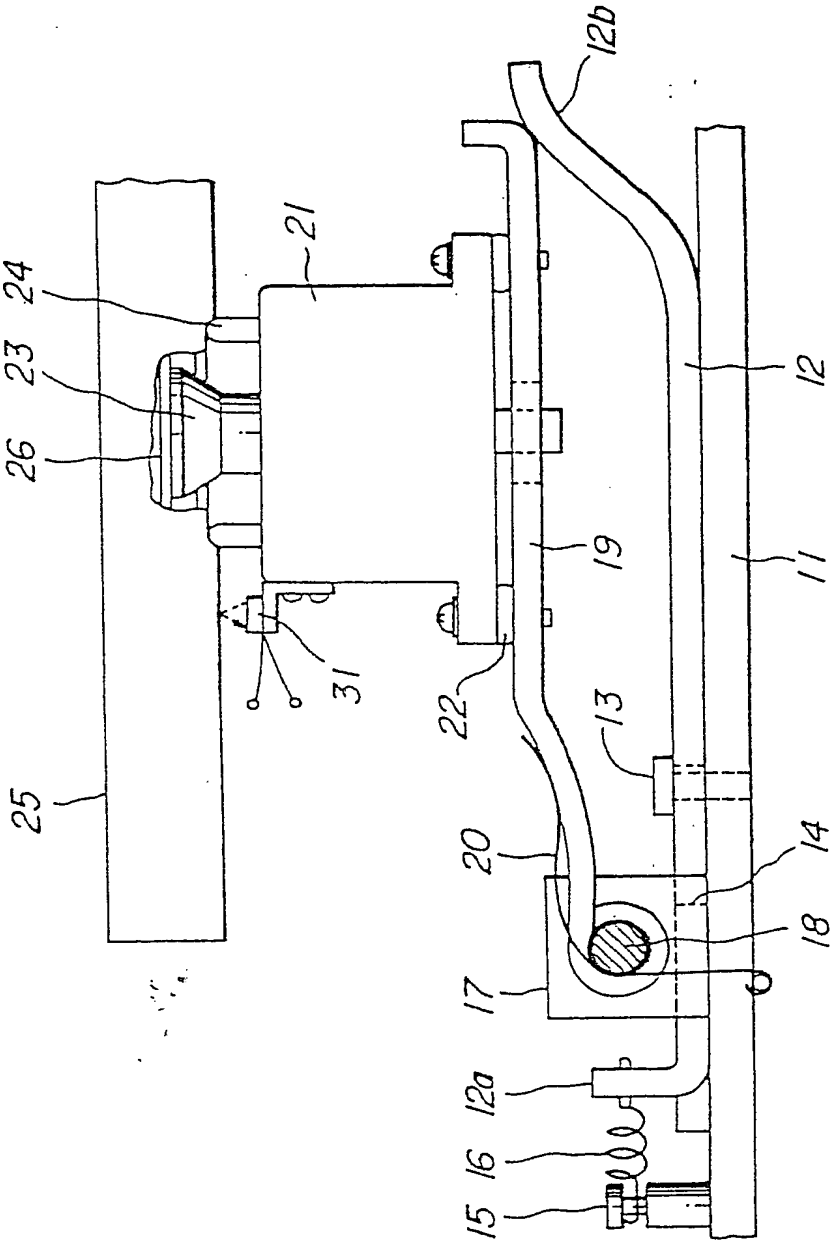
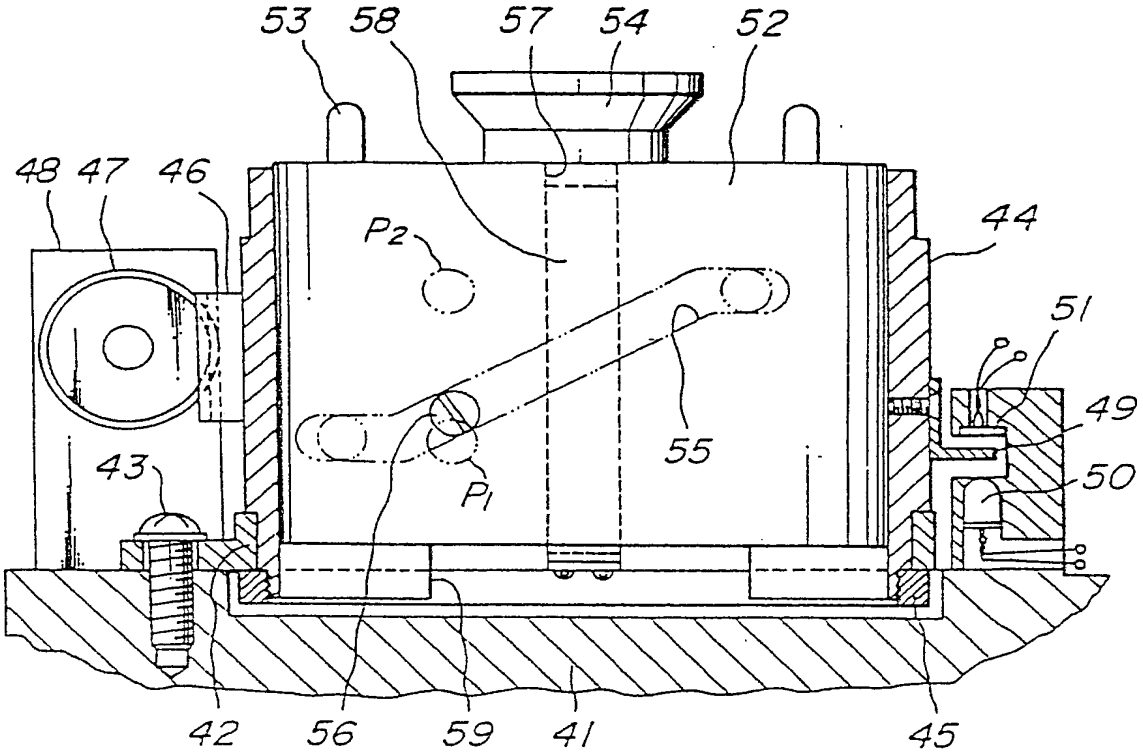


FIG_9


53
58
57
54
52
48
47
46
44
P2
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49
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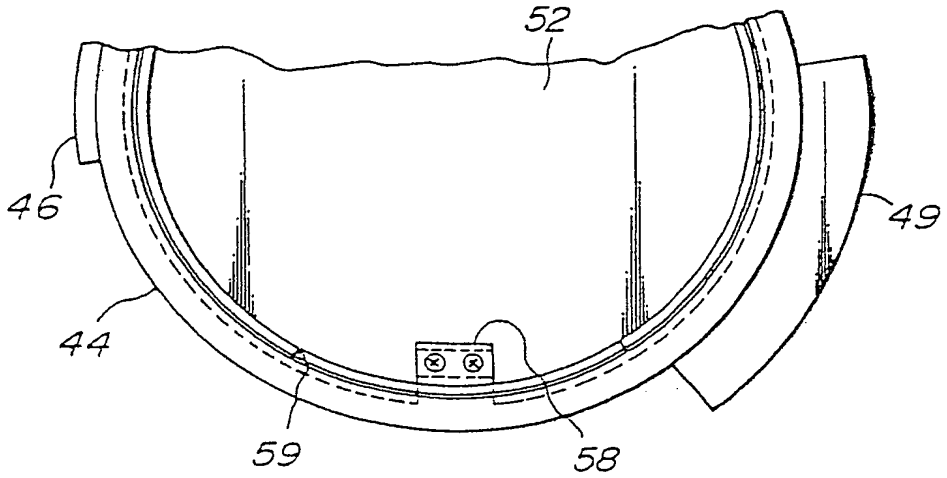
50
43
P1
42
56
59
41
45

FIG_10


52
46
49
44
59
58